

AL OLA Language School

AL OLA Modern Schools

# Math



3<sup>rd</sup> Primary  
First Term



Name

Class

3-E  
Nuredeen

# Chapter 1





## Lessen 1 :

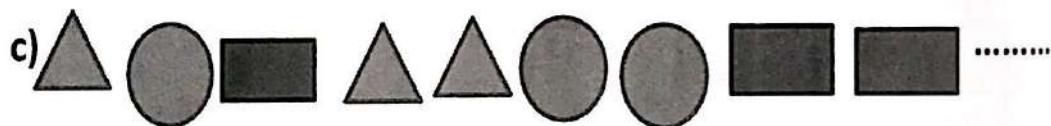
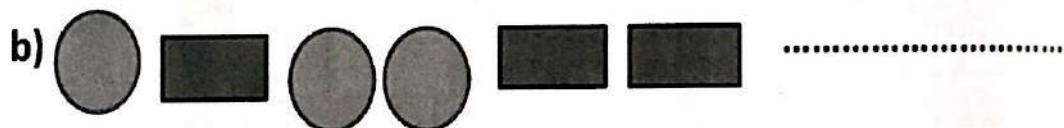
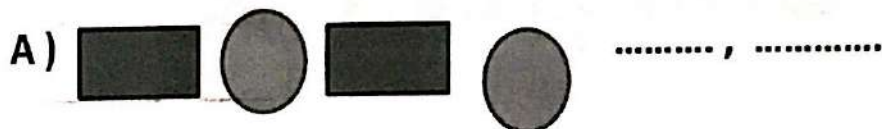
Date ..... \ ..... \ .....

# patterns

Pattern are everywhere . some patterns grow .

Growing patterns grow and get bigger or smaller .

1) Notice and complete the pattern :



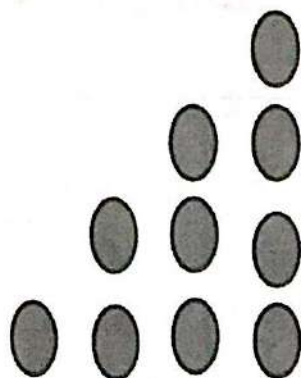
d) 10 , 20 , 30 , ..... , ..... , .....

e) 2 , 4 , 6 , ..... , ..... , .....

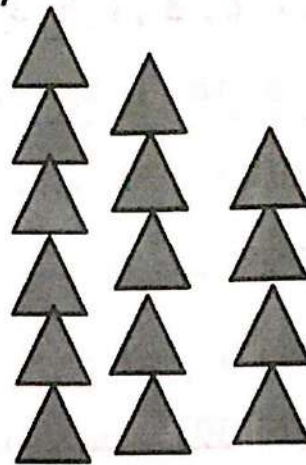
f) 5 , 10 , 15 , ..... , ..... , .....

2) Draw a picture to show what comes next in the pattern:

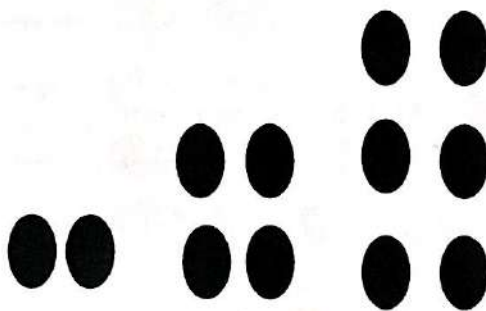
a)



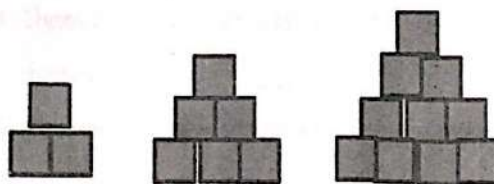
B)



c)



d)





Write number to continue the pattern :

a) 3, 1, 6, 3, 1, 6, 3, 1, 6, ....., ....., .....

b) A, B, AA, B, AAA, B, ....., .....

c) 5, 10, 15, 20, ....., .....

d) 3, 6, 9, ....., .....

e) 1, 3, 5, ....., .....

f) 10, 20, 30, ....., .....

g) 9, 7, ....., .....

h) 50, 40, ....., .....

i) 10, 8, 6, ....., .....



j)  .....




























## Lesson 2 ,3 ,4 :

Date ..... \ ..... \ .....

# Pictograph

A pie shop sells a range of different pies. Here are the sales figures for the number of pies sold for each day in a week.

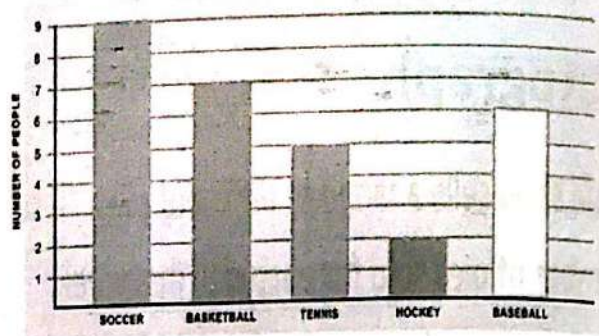
Each  1 represents Each  2

Monday							
Tuesday							
Wednesday							
Thursday							
Friday							
Saturday							

- 1) How many pies were sold on Thursday? \_\_\_\_\_
- 2) Which day were the most pies sold? \_\_\_\_\_  
How many pies were sold on that day? \_\_\_\_\_
- 3) How many more pies were sold on Tuesday than Wednesday? \_\_\_\_\_
- 4) There were more pies sold on the last two days than the first four days. True or false? \_\_\_\_\_
- 5) How many pies were sold in total that week? \_\_\_\_\_



## Bar graph



Sports	soccer	Basket ball	tennis	hockey	baseball
People					

Represent the following table on the graph:

Food	Banana	Pepsi	Tomato	pasta	Candy
Number	7	1	3	5	2
8					
7					
6					
5					
4					
3					
2					
1					
0	Banana	Pepsi	Tomato	pasta	candy

# Line plots

Antoine surveyed his friends to find out how often they went to a movie theater. The table shows the results.

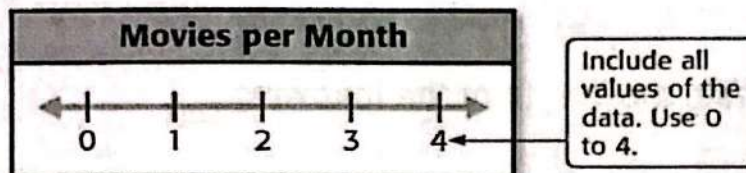
Movies Per Month			
Zack 0	Carla 1	Grace 2	Ivan 1
Ricardo 1	Nina 2	Betty 0	Tama 1
Latisha 2	Kelley 1	Gabe 4	Ademo 1
David 0	Judie 1	Drew 1	Lauren 3



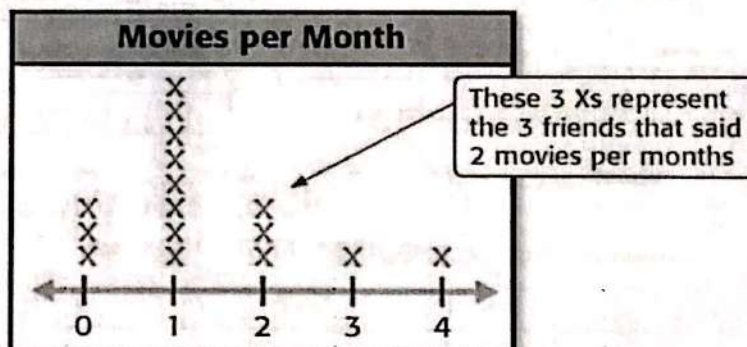
## Make a Line Plot

**MOVIES** Make a line plot for the survey results.

**Step 1** Draw and label a number line. Include all values of the data. Give it a title that describes the data.



**Step 2** Draw an X above the number for each response.





Date ..... / ..... / .....

## Lesson 5,6,7 :

### Measuring length

#### Estimate the length

Centimeters ( cm ) : used to measure the short length.

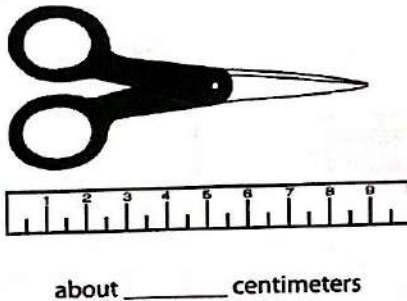
Example : the length of pen , ruler , book and bag .

Meters ( m ) : used to measure the long length.

Example : the length of the door , the height of the buildings and the width of the road.

1) Estimate the length of the following :

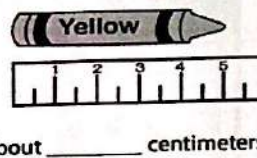
1.



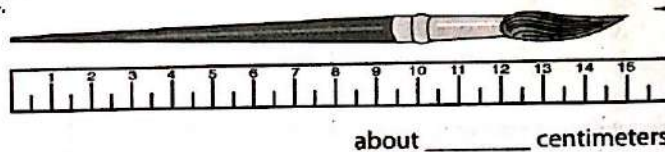
2.



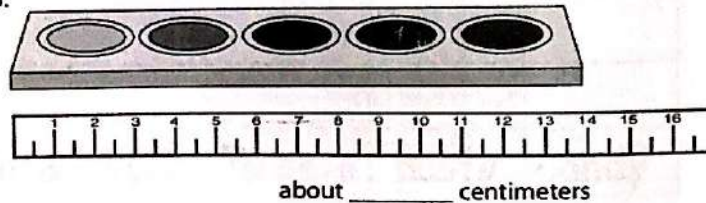
3.



4.



5.



2) Choose the estimated length :

a) The width of road is ..... m ( 1 , 6 , 600 )

b) The length of my father car is ..... M ( 5 , 50 , 500 )

c) The length of piece cloth for my mother ..... m  
( 3 , 40 , 35 )

3) Complete :

a) 3 m = ..... Cm

b) 7 m = ..... Cm

c) 8 m = ..... cm

d) 4 m = ..... cm

e) 9 m = ..... Cm

f) 2 m = ..... cm

g) Half meter = ..... Cm

1 m = 100 cm

5 ) complete : 200 cm = 2 m

a) 600 cm = ..... m

c) 300 cm = .... M

b) 100 cm = .....

d) 500 cm = ..... m

6 ) arrange in an ascending order :

a) 2 m , 6 m , 3m , 8m

..... , ..... , ..... , .....

b) 20 cm , 13 cm , 36 cm , 15 cm

..... , ..... , ..... , .....





Lesson 8,9,10 :

Date ..... \ ..... \ .....

Millimeter

Millimeter ( mm): used to measure the very short lengths.  
Example : the length of insect , the thickness of nail .

Choose the suitable measurement unit :

a) The thickness of a nail



measuring with ....

( mm , cm ,m )

b) The length of the book



measuring with ....

( mm , cm ,m )

c) The length of an ant



measuring with ...

( mm , cm ,m )

d) The thickness of a book



measuring with ....

( mm , cm ,m )

e) My father high measuring with ....

( mm , cm ,m )

f) The length of a bottle



measuring with ....

( mm , cm ,m )

g) The height of my home measuring with .... ( mm , cm ,m )

$$1 \text{ cm} = 10 \text{ mm}$$

Complete :

- a- 3 Cm = ..... Mm
- b- 8 Cm = ..... Mm
- c- 4 Cm = ..... Mm
- d- 9 Cm = ..... Mm
- e- 2 Cm = ..... Mm
- f- 7 CM = ..... Mm

complete : 20 Mm = 2 Cm

- a- 60 Mm = ..... cm
- b- 50 Mm = ..... cm
- c- 90 Mm = .... cm
- d- 40 Mm = .... cm
- e- 30 Mm = .... cm

Arrange in an ascending order :

- a- 2 Cm , 16 Cm , 30 Cm , 18 Cm

..... , ..... , ..... , .....

- b- 20 Mm , 13 cm , 36 cm , 50 Mm

..... , ..... , ..... , .....



Put [ < , > , = ]:

- a- 400 CM ☐ 5 M
- b- 50 MM ☐ 5 CM
- c- 5 CM ☐ 60 MM
- d- 9 M ☐ 900 CM



# Chapter 2

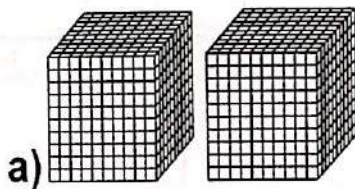


lesson 11,12

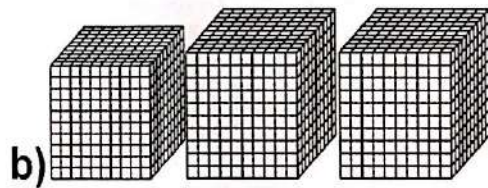
Date ..... \ ..... \ .....

## Thousands

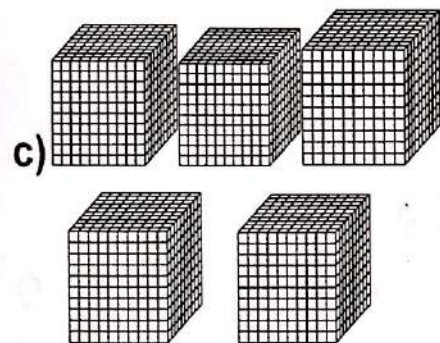
1) Write how many thousands:



...2... thousands = 2000



..... thousand = ...

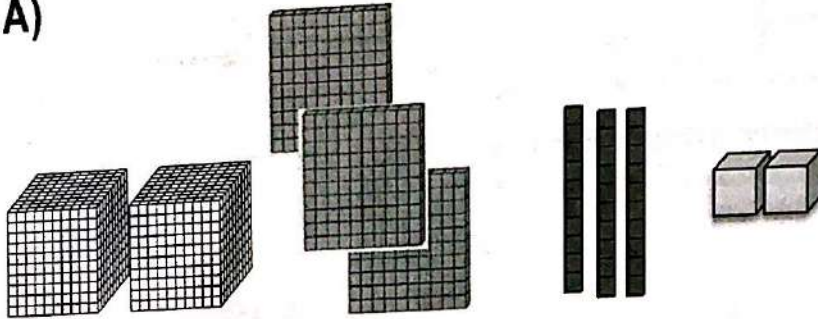


..... Thousands = .....



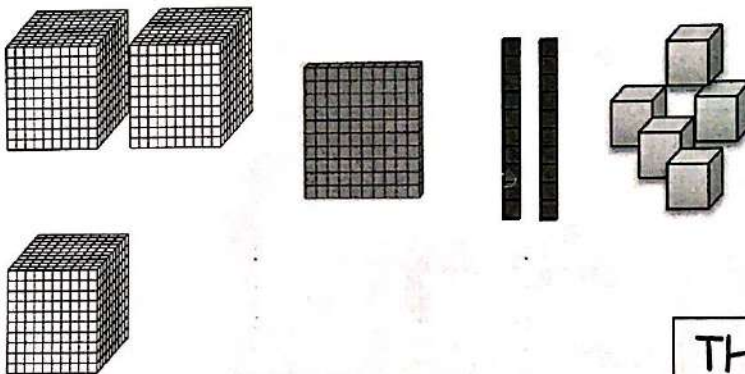
2) Write numbers:

A)



TH	H	T	O

B)



TH	H	T	O

5) Complete:



a) 8000 = ..... thousands

b) 5000 = ..... thousands

c) ..... = 7 thousands

d) ..... = 9 thousands

e) 3000 = ..... thousands

f) ..... = 1 thousands

g) 9 000 = ..... thousands

k) ..... = 3 thousands



Date ..... / ..... / .....

Lesson: 13

## Place value

1) Read the number, look at the underlined digit then name the place:

5,432

7,892

8,230

6,492

3,125

1,937

2,652

7,200

4,192

Date ..... / ..... / .....

## Lesson: 14

### The value

1) Circle the value of the blue digit:

3,452

(200    20    2)

9,521

(500    5000    5)

4,532

(400    40    4000)

5,008

(8000    8    800)

4,169

(600    60    6000)

3,129

(900    90    9)



2) Choose the correct answer:

- a) The value of digit 4 in 1,248 is ..... (4 , 40, 4000)
- b) The value of digit 7 in 7,254 is ..... (7000 , 7, 70)
- c) The value of digit 2 in 3,652 is ..... (20 , 200 , 2)
- d) The value of digit 3 in 2,307 is ..... (Hundred, 300, 300)
- e) The value of digit 5 in 9,853 is ..... (50 , 5 , tens)
- f) The place value of digit 1 in 5,341 is .....  
(Ones, tens, hundreds)
- g) The place value of digit 9 in 6,196 is ..... (90, ones, tens)
- h) The place value of digit 5 in 5,328 is .....  
(thousands, 5000, 50)

3) Write these numbers in word:



a) 2, 146 → .....

b) 4, 115 → .....

c) 4, 207 → .....

e) 9, 150 → .....

f) 3, 203 → .....

g) 2, 508 → .....

h) 7, 231 → .....



Date ..... / ..... / .....

Lesson: 16

## Expanded form

4) Write in expanded form:

$$2,423 = 2000 + 400 + 20 + 3$$

$$7,192 = \dots + \dots + \dots + \dots$$

$$5,368 = \dots + \dots + \dots + \dots$$

$$8,568 = \dots + \dots + \dots + \dots$$

$$7,379 = \dots + \dots + \dots + \dots$$

$$2,495 = \dots + \dots + \dots + \dots$$

5) Write in standard form:

1)  $7000 + 300 + 40 + 2 = \dots\dots\dots$

2)  $6000 + 900 + 30 + 1 = \dots\dots\dots$

3)  $9000 + 500 + 60 + 7 =$

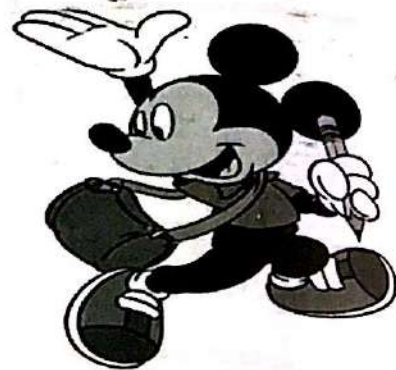
4)  $5000 + 200 + 10 + 9 = \dots\dots\dots$

5)  $5000 + 400 + 4 = \dots\dots\dots$



**6) put the suitable sign: ( $<$ ,  $>$ ,  $=$ ):**

- 1) 7196 ..... 7916
- 2) 1025 ..... 1000
- 3) 5701 ..... 5721
- 4) 9432 ..... 8532
- 5) 8143 .....  $8000 + 100 + 40 + 3$
- 6) 3000 ..... 1000
- 7) 5632 ..... 4563
- 8) 4520 ..... 2312



**7) Arrange the following in ascending order:**

a) 5294, 2765, 1224, 1562

.....  
.....

b) 2100, 3231, 3800, 9500

.....  
.....

c) 1479, 5874, 5877, 8715, 7569

.....  
.....

Lesson: 16

Date ..... \ ..... \ .....

Ten thousands

1) Read the number, write the place value of the blue digit :

a) 73 , 543 → .....

b) 64,321 → .....

c) 52 , 123 → .....

d) 83 , 671 → .....

e) 91 , 842 → .....

f) 62 , 523 → .....





2) Complete :

- a) The place value of the digit 7 in the number 72,681 is .....
- b) The place value of the digit 5 in the number 12,352 is .....
- c) The place value of the digit 3 in the number 26,263 is .....
- d) The place value of the digit 4 in the number 14,790 is .....
- e) The place value of the digit 9 in the number 21,793 is .....
- f) The place value of the digit 1 in the number 26,136 is .....
- g) The place value of the digit 4 in the number 14,365 is .....
- h) The place value of the digit 2 in the number 23,318 is .....
- i) The **VALUE** of the digit 5 in the number 21,562 is .....
- j) The **VALUE** of the digit 8 in the number 23,835 is .....
- k) The **VALUE** of the digit 4 in the number 12,345 is .....
- l) The **VALUE** of the digit 2 in the number 23, 459 is .....
- m) The **VALUE** of the digit 5 in the number 52,321 is .....
- n) The **VALUE** of the digit 2 in the number 23,467 is .....
- o) The **VALUE** of the digit 1 in the number 15,320 is .....
- p) The **VALUE** of the digit 9 in the number 19,352 is .....
- q) The **VALUE** of the digit 6 in the number 21, 346 is .....
- r) The **VALUE** of the digit 2 in the number 56,240 is .....
- s) The place value of the digit 8 in the number 94,821 is .....
- t) The place value of the digit 7 in the number 7,289 is .....
- u) The place value of the digit 6 in the number 6,143 is .....
- v) The place value of the digit 8 in the number 67,821 is .....
- w) The **VALUE** of the digit 0 in the number 12, 305 is .....
- x) The **VALUE** of the digit 9 in the number 35, 967 is .....
- y) The **VALUE** of the digit 7 in the number 45, 723 is .....

3) Arrange in a Descending order :

a) 24,382 , 12,733 , 23,967 , 18,230 , 24,820.

..... , ..... , ..... , ..... , .....

b) 23, 624 , 23,530 , 23,461 , 23, 370 , 23, 880.

..... , ..... , ..... , ..... , .....

c) 42,124 , 41, 767 , 45, 938 , 46,578 , 49, 387

..... , ..... , ..... , ..... , .....

a) 12,874 , 25,332 , 13,145 , 67,521 , 43 ,256 .

..... , ..... , ..... , ..... , .....

4) Write these numbers in word:

a) 73 , 543 .....

b) 64,321.....

c) 52 ,123 .....

d) 83 , 671 .....



Date ..... / ..... / .....

**Lesson: 16**

**Hundred  
thousands**

**1] Write the following numbers in words:**

a) 234,563

.....

b) 127,896

.....

c) 451,234

.....

d) 142,178

.....

e) 251,289

.....

f) 321,691

.....

2) Write the following in standard form:

a)  $100000 + 20000 + 3000 + 800 + 40 + 5 = \dots\dots\dots$

b)  $7000 + 40 + 400 = \dots\dots\dots$

c)  $2000 + 90 + 100 = \dots\dots\dots$

d)  $70000 + 6000 + 100 + 90 + 3 = \dots\dots\dots$

e)  $300000 + 2000 + 200 + 10 = \dots\dots\dots$

f)  $20000 + 800000 + 4000 + 200 + 30 + 5 = \dots\dots\dots$

3) Complete:

a) The place value of the digit 7 in the number 721,681 is .....

b) The place value of the digit 5 in the number 121,352 is .....

c) The place value of the digit 3 in the number 265,263 is .....

d) The place value of the digit 4 in the number 148,790 is .....

e) The place value of the digit 1 in the number 826,136 is .....

f) The place value of the digit 4 in the number 514,365 is .....

g) The place value of the digit 2 in the number 623,318 is .....

h) The **VALUE** of the digit 5 in the number 821,562 is .....

i) The **VALUE** of the digit 8 in the number 923,835 is .....

j) The **VALUE** of the digit 4 in the number 812,345 is .....



4) Arrange in an ascending order :

a) 324,382 , 212,733 , 623,967 , 718,230 , 924,820.

..... , ..... , ..... , ..... , .....

b) 423, 624 , 123,530 , 423,461 , 723, 370 , 123, 880.

..... , ..... , ..... , ..... , .....

c) 242,124 , 141, 767 , 245, 938 , 746,578 , 149, 387

..... , ..... , ..... , ..... , .....

e) 612,874 , 625,332 , 613,145 , 667,521 , 643 ,256 .

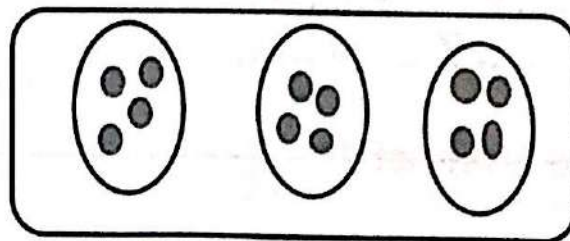
..... , ..... , ..... , ..... , .....

# Lesson: 17

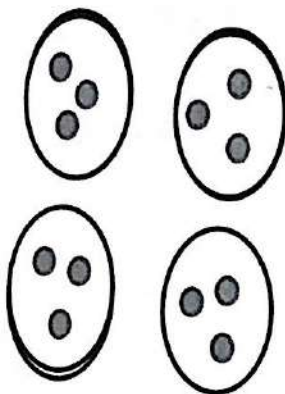
Date ..... \ ..... \ .....

## Arrays , Groups

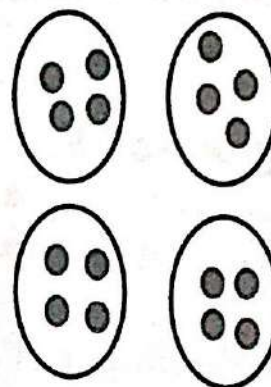
$$\begin{aligned} 3 \text{ groups of } 4 &= \\ 4 + 4 + 4 &= 12 \\ 4 \times 3 &= 12 \end{aligned}$$



1) Count equal groups to find how many:



..... groups of .....  
..... + ..... + ..... + .....  
..... X ..... = .....



..... groups of .....  
..... + ..... + ..... + .....  
..... X ..... = .....



2) Complete :

a) 3 group of 5

$$\dots + \dots + \dots = \dots$$

$$\dots \times \dots = \dots$$

b) 3 group of 4

$$\dots + \dots + \dots = \dots$$

$$\dots \times \dots = \dots$$

c) 5 group of 2

$$\dots + \dots + \dots + \dots + \dots = \dots$$

$$\dots \times \dots = \dots$$

d) 2 group of 5

$$\dots + \dots = \dots$$

$$\dots \times \dots = \dots$$

3) Write a multiplication sentence :

a)  $7 + 7 + 7 = \dots \times \dots$

b)  $3 + 3 + 3 + 3 = \dots \times \dots$

c)  $6 + 6 + 6 + 6 + 6 = \dots \times \dots$

d)  $9 + 9 = \dots \times \dots$

e)  $5 + 5 + 5 = \dots \times \dots$

**Lesson: 17**

Date ..... \ ..... \ .....



**2 rows of 4 =  $2 \times 4 = 8$**

**Commutative property of multiplication**

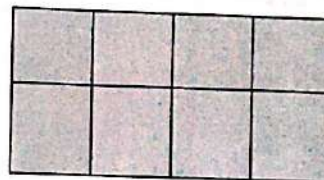
**$4 \times 5 = 5 \times 4$**

**Example :**



**4 rows of 2 = 8**

**$4 \times 2 = 8$**



**2 rows of 4 = 8**

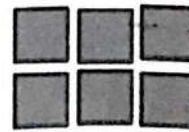
**$2 \times 4 = 8$**

**$4 \times 2 = 2 \times 4$**

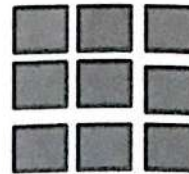


1) Complete use the array :

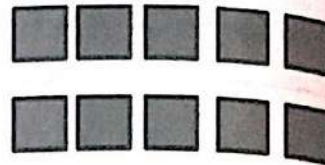
a) ..... rows of ..... = .....  
..... x ..... = .....



B) ..... rows of ..... = .....  
..... x ..... = .....



c) ..... rows of ..... = .....  
..... x ..... = .....



D) ..... rows of ..... = .....  
..... x ..... = .....



2) Draw an array to find product :

$3 \times 6 = \dots\dots\dots$

$4 \times 7 = \dots\dots\dots$

3) Complete :

a)  $7 \times 5 = \dots \times 7$

b)  $3 \times 4 = \dots \times \dots\dots$

c)  $5 \times 2 = \dots \times \dots\dots$

d)  $2 \times \dots = 9 \times 2$



# Chapter 3





## Lesson: 21

## Multiplication

Table 2

2 X 1 = 2
2 X 2 = 4
2 X 3 = 6
2 X 4 = 8
2 X 5 = 10
2 X 6 = 12
2 X 7 = 14
2 X 8 = 16
2 X 9 = 18
2 X 10 = 20

Table 3

3 X 1 = 3
3 X 2 = 6
3 X 3 = 9
3 X 4 = 12
3 X 5 = 15
3 X 6 = 18
3 X 7 = 21
3 X 8 = 24
3 X 9 = 27
3 X 10 = 30

Table 4

4 X 1 = 4
4 X 2 = 8
4 X 3 = 12
4 X 4 = 16
4 X 5 = 20
4 X 6 = 24
4 X 7 = 28
4 X 8 = 32
4 X 9 = 36
4 X 10 = 40

Table 5

5 X 1 = 5
5 X 2 = 10
5 X 3 = 15
5 X 4 = 20
5 X 5 = 25
5 X 6 = 30
5 X 7 = 35
5 X 8 = 40
5 X 9 = 45
5 X 10 = 50

Table 6

6 X 1 = 6
6 X 2 = 12
6 X 3 = 18
6 X 4 = 24
6 X 5 = 30
6 X 6 = 36
6 X 7 = 42
6 X 8 = 48
6 X 9 = 54
6 X 10 = 60

Table 7

7 X 1 = 7
7 X 2 = 14
7 X 3 = 21
7 X 4 = 28
7 X 5 = 35
7 X 6 = 42
7 X 7 = 49
7 X 8 = 56
7 X 9 = 63
7 X 10 = 70

Table 8

8 X 1 = 8
8 X 2 = 16
8 X 3 = 24
8 X 4 = 32
8 X 5 = 40
8 X 6 = 48
8 X 7 = 56
8 X 8 = 64
8 X 9 = 72
8 X 10 = 80

Table 9

9 X 1 = 9
9 X 2 = 18
9 X 3 = 27
9 X 4 = 36
9 X 5 = 45
9 X 6 = 54
9 X 7 = 63
9 X 8 = 72
9 X 9 = 81
9 X 10 = 90

Any number X 0 = 0

Any number X 1 =  
the same number

$$3 \times 5 = 5 + 5 + 5$$

Or

$$3 \times 5 = 3 + 3 + 3 + 3 + 3$$

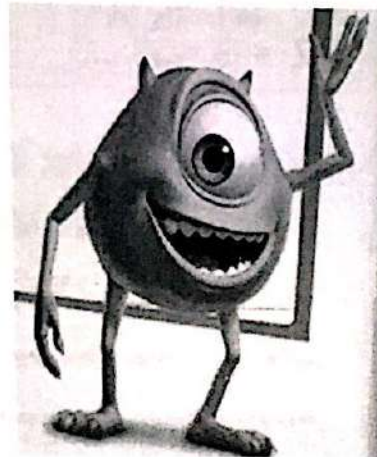
## Multiplying by 2

1) Draw a group or use an array to find :

a)  $2 \times 9 =$

b)  $2 \times 2 =$

c)  $8 \times 2 =$





2) Complete:

(a) The number of legs of 2 hens = ...  $\times$  ... = ...

(b) The number of legs of 3 hens = ...  $\times$  ... = ...

(c) The number of legs of 5 hens = ...  $\times$  ... = ...

(d) The number of legs of 8 hens = ...  $\times$  ... = ...

(e) The number of legs of 9 hens = ...  $\times$  ... = ...



Find the result:

a)  $2 \times 4 = \dots\dots\dots$

b)  $2 \times 2 = \dots\dots\dots$

c)  $2 \times 6 = \dots\dots\dots$

d)  $2 \times 7 = \dots\dots\dots$

e)  $2 \times 9 = \dots\dots\dots$

f)  $2 \times 5 = \dots\dots\dots$

g)  $2 \times 8 = \dots\dots\dots$

h)  $2 \times 3 = \dots\dots\dots$

i) Manal brought 6 bags of cookies to school each bag has 2 cookies in it . how many cookies were there all together

.....

.....

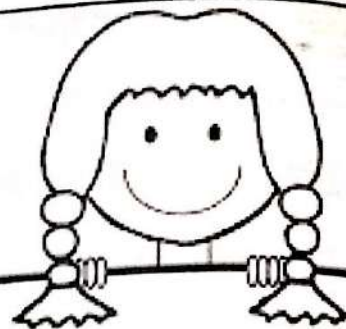
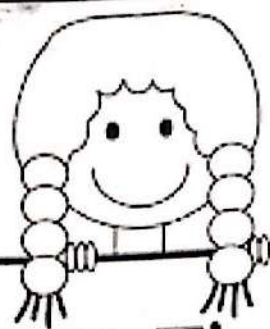
.....

1) Complete :

$2 \times 12 =$	$2 \times 2 =$	$\times 2 = 10$
$2 \times 10 =$	$2 \times 0 =$	$\times 2 = 22$
$2 \times 11 =$	$2 \times 3 =$	$\times 2 = 4$
$2 \times 5 =$	$2 \times 1 =$	$\times 2 = 18$
$2 \times 8 =$	$\times 2 = 12$	$\times 2 = 24$
$2 \times 6 =$	$\times 2 = 2$	$\times 2 = 6$
$2 \times 9 =$	$\times 2 = 20$	$\times 2 = 14$
$2 \times 4 =$	$\times 2 = 8$	$\times 2 = 0$
$2 \times 7 =$	$\times 2 = 16$	$2 \times \quad = 24$



## Multiplying by 3



### 3 Times Table

$3 \times 1 =$

$3 \times 7 =$

$3 \times 2 =$

$3 \times 8 =$

$3 \times 3 =$

$3 \times 9 =$

$3 \times 4 =$

$3 \times 10 =$

$3 \times 5 =$

$3 \times 11 =$

$3 \times 6 =$

$3 \times 12 =$

1) Complete:

(a) The Price of 2 pens = ...  $\times$  ... = ...

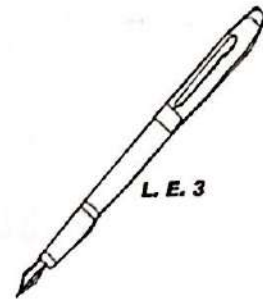
(b) The Price of 5 pens = ...  $\times$  ... = ...

(c) The Price of 3 pens = ...  $\times$  ... = ...

(d) The Price of 7 pens = ...  $\times$  ... = ...

(e) The Price of 9 pens = ...  $\times$  ... = ...

(f) The Price of 8 pens = ...  $\times$  ... = ...



f) The branches on a tree have leaves that grow in a group of 3 how many leaves are on 9 branches ?

.....

.....

g) Ali reads 3 books each book has 5 chapters how many chapters does he read in all ?

.....

.....



Find the result :

1)  $3 \times 6 = \underline{\quad}$

2)  $5 \times 3 = \underline{\quad}$

3)  $3 \times 0 = \underline{\quad}$

4)  $8 \times 3 = \underline{\quad}$

5)  $3 \times 7 = \underline{\quad}$

6)  $3 \times 3 = \underline{\quad}$

7)  $4 \times 3 = \underline{\quad}$

8)  $9 \times 3 = \underline{\quad}$

9)  $3 \times 8 = \underline{\quad}$

10)  $2 \times 3 = \underline{\quad}$

11)  $3 \times 8 = \underline{\quad}$

12)  $7 \times 3 = \underline{\quad}$

13)  $3 \times 1 = \underline{\quad}$

14)  $6 \times 3 = \underline{\quad}$

15)  $3 \times 9 = \underline{\quad}$

16)  $3 \times \underline{\quad} = 15$

17)  $\underline{\quad} \times 3 = 3$

18)  $\underline{\quad} \times 3 = 0$

19)  $3 \times \underline{\quad} = 24$

20)  $\underline{\quad} \times 3 = 21$

21)  $\underline{\quad} \times 3 = 12$

22)  $3 \times \underline{\quad} = 27$

23)  $3 \times \underline{\quad} = 9$

24)  $\underline{\quad} \times 3 = 30$

25)  $3 \times \underline{\quad} = 18$

26)  $\underline{\quad} \times 3 = 6$

27)  $3 \times \underline{\quad} = 21$

28)  $\underline{\quad} \times 3 = 27$

29)  $3 \times \underline{\quad} = 12$


30)  $\underline{\quad} \times 3 = 24$


Lesson:


Date ..... \ ..... \ .....


## Multiplying by 4


### The four times table


 $4 \times 1 =$


 $4 \times 7 =$


 $4 \times 2 =$


 $4 \times 8 =$


 $4 \times 3 =$


 $4 \times 9 =$


 $4 \times 4 =$

 $4 \times 10 =$

 $4 \times 5 =$

 $4 \times 11 =$

 $4 \times 6 =$

 $4 \times 12 =$



Find the result :

1)  $4 \times \underline{\quad} = 12$

2)  $\underline{\quad} \times 4 = 40$

3)  $4 \times 5 = \underline{\quad}$

4)  $4 \times \underline{\quad} = 4$

5)  $\underline{\quad} \times 4 = 28$

6)  $9 \times 4 = \underline{\quad}$

7)  $4 \times \underline{\quad} = 16$

8)  $\underline{\quad} \times 4 = 8$

9)  $\underline{\quad} \times 4 = 0$

10)  $4 \times 6 = \underline{\quad}$

11)  $4 \times \underline{\quad} = 32$

12)  $\underline{\quad} \times 4 = 20$

13)  $4 \times 7 = \underline{\quad}$

14)  $4 \times \underline{\quad} = 24$

15)  $4 \times 4 = \underline{\quad}$

16)  $7 \times 4 = \underline{\quad}$

17)  $\underline{\quad} \times 4 = 4$

18)  $4 \times \underline{\quad} = 20$

19)  $8 \times 4 = \underline{\quad}$

20)  $4 \times \underline{\quad} = 0$

21)  $\underline{\quad} \times 4 = 24$

22)  $\underline{\quad} \times 4 = 32$

23)  $4 \times \underline{\quad} = 28$

24)  $3 \times 4 = \underline{\quad}$

25)  $4 \times \underline{\quad} = 40$

26)  $\underline{\quad} \times 4 = 16$

27)  $4 \times \underline{\quad} = 36$

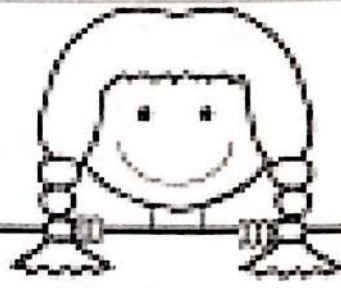
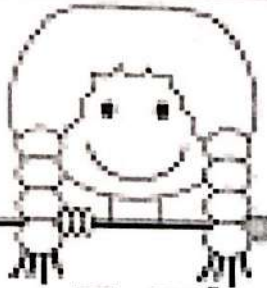
28)  $\underline{\quad} \times 4 = 12$

29)  $6 \times 4 = \underline{\quad}$

30)  $4 \times \underline{\quad} = 8$

Alli reads 4 books each book has 5 chapters how many chapters does he read in all ?

## Multiplying by 5



### 5 Times Table

$5 \times 1 =$

$5 \times 7 =$

$5 \times 2 =$

$5 \times 8 =$

$5 \times 3 =$

$5 \times 9 =$

$5 \times 4 =$

$5 \times 10 =$

$5 \times 5 =$

$5 \times 11 =$

$5 \times 6 =$

$5 \times 12 =$



## Multiplication of 5

$5 \times 7 =$

$5 \times 3 =$

$5 \times 10 =$

$5 \times 0 =$

$5 \times 6 =$

$5 \times 1 =$

$5 \times 4 =$

$5 \times 9 =$

$5 \times 2 =$

$5 \times 5 =$

$5 \times 7 =$

$5 \times 8 =$

$5 \times 3 =$

there are 3 hands each hand has 5 fingers how many fingers altogether ? .....

Lesson: Multiplying by 6

Date ..... \ ..... \ .....

## The six times table

$6 \times 1 =$

$6 \times 7 =$

$6 \times 2 =$

$6 \times 8 =$

$6 \times 3 =$

$6 \times 9 =$

$6 \times 4 =$

$6 \times 10 =$

$6 \times 5 =$

$6 \times 11 =$

$6 \times 6 =$

$6 \times 12 =$



Find the result :

- |                           |                             |
|---------------------------|-----------------------------|
| 1) $7 \times 6 =$ _____   | 21) _____ $\times 6 = 36$   |
| 2) $6 \times 4 =$ _____   | 22) $6 \times$ _____ $= 6$  |
| 3) $6 \times 0 =$ _____   | 23) $6 \times$ _____ $= 54$ |
| 4) $9 \times 6 =$ _____   | 24) _____ $\times 6 = 18$   |
| 5) $3 \times 6 =$ _____   | 25) _____ $\times 6 = 0$    |
| 6) $6 \times 5 =$ _____   | 26) _____ $\times 6 = 24$   |
| 7) $6 \times 10 =$ _____  | 27) $6 \times$ _____ $= 48$ |
| 8) $1 \times 6 =$ _____   | 28) $6 \times$ _____ $= 30$ |
| 9) $6 \times 8 =$ _____   | 29) _____ $\times 6 = 12$   |
| 10) $6 \times 6 =$ _____  | 30) $6 \times$ _____ $= 42$ |
| 11) $2 \times 6 =$ _____  | 31) _____ $\times 6 = 60$   |
| 12) $6 \times 9 =$ _____  | 32) $6 \times$ _____ $= 24$ |
| 13) $4 \times 6 =$ _____  | 33) _____ $\times 6 = 48$   |
| 14) $10 \times 6 =$ _____ | 34) $6 \times$ _____ $= 36$ |
| 15) $6 \times 3 =$ _____  | 35) _____ $\times 6 = 42$   |
| 16) $5 \times 6 =$ _____  | 36) $6 \times$ _____ $= 12$ |
| 17) $0 \times 6 =$ _____  | 37) _____ $\times 6 = 30$   |
| 18) $6 \times 7 =$ _____  | 38) _____ $\times 6 = 54$   |
| 19) $6 \times 6 =$ _____  | 39) $6 \times$ _____ $= 60$ |
| 20) $8 \times 6 =$ _____  | 40) $6 \times$ _____ $= 18$ |

Ahmed has 6 friends each friend have 5 video games . how many video games do they have in all ? .....

Multiplying by 7

## The seven times table

$7 \times 1 =$

$7 \times 7 =$

$7 \times 2 =$

$7 \times 8 =$

$7 \times 3 =$

$7 \times 9 =$

$7 \times 4 =$

$7 \times 10 =$

$7 \times 5 =$

$7 \times 11 =$

$7 \times 6 =$

$7 \times 12 =$



- 1)  $7 \times 6 = \underline{\quad}$
- 2)  $10 \times 7 = \underline{\quad}$
- 3)  $4 \times 7 = \underline{\quad}$
- 4)  $9 \times 7 = \underline{\quad}$
- 5)  $7 \times 3 = \underline{\quad}$
- 6)  $7 \times 7 = \underline{\quad}$
- 7)  $2 \times 7 = \underline{\quad}$
- 8)  $0 \times 7 = \underline{\quad}$
- 9)  $6 \times 7 = \underline{\quad}$
- 10)  $8 \times 7 = \underline{\quad}$
- 11)  $7 \times 1 = \underline{\quad}$
- 12)  $7 \times 10 = \underline{\quad}$
- 13)  $5 \times 7 = \underline{\quad}$
- 14)  $3 \times 7 = \underline{\quad}$
- 15)  $7 \times 6 = \underline{\quad}$
- 16)  $7 \times 9 = \underline{\quad}$
- 17)  $7 \times 2 = \underline{\quad}$
- 18)  $7 \times 0 = \underline{\quad}$
- 19)  $7 \times 7 = \underline{\quad}$
- 20)  $7 \times 8 = \underline{\quad}$

- 21)  $\underline{\quad} \times 7 = 49$
- 22)  $7 \times \underline{\quad} = 28$
- 23)  $7 \times \underline{\quad} = 63$
- 24)  $\underline{\quad} \times 7 = 21$
- 25)  $\underline{\quad} \times 7 = 35$
- 26)  $\underline{\quad} \times 7 = 7$
- 27)  $7 \times \underline{\quad} = 70$
- 28)  $7 \times \underline{\quad} = 28$
- 29)  $\underline{\quad} \times 7 = 56$
- 30)  $7 \times \underline{\quad} = 42$
- 31)  $\underline{\quad} \times 7 = 63$
- 32)  $7 \times \underline{\quad} = 14$
- 33)  $\underline{\quad} \times 7 = 70$
- 34)  $7 \times \underline{\quad} = 35$
- 35)  $\underline{\quad} \times 7 = 42$
- 36)  $7 \times \underline{\quad} = 56$
- 37)  $\underline{\quad} \times 7 = 0$
- 38)  $\underline{\quad} \times 7 = 14$
- 39)  $7 \times \underline{\quad} = 49$
- 40)  $7 \times \underline{\quad} = 21$

SCORE

Ahmed gave 7 friends 4 pencils each . how many pencils did she give them in all ? .....

## Multiplying by 8

*Table 8*

8	×	0	=	_____
8	×	1	=	_____
8	×	2	=	_____
8	×	3	=	_____
8	×	4	=	_____
8	×	5	=	_____
8	×	6	=	_____
8	×	7	=	_____
8	×	8	=	_____
8	×	9	=	_____
8	×	10	=	_____
8	×	11	=	_____
8	×	12	=	_____



Find the result :

- 1)  $\underline{\quad} \times 8 = 32$
- 2)  $8 \times 5 = \underline{\quad}$
- 3)  $8 \times \underline{\quad} = 8$
- 4)  $\underline{\quad} \times 8 = 24$
- 5)  $8 \times 10 = \underline{\quad}$
- 6)  $\underline{\quad} \times 8 = 0$
- 7)  $8 \times \underline{\quad} = 48$
- 8)  $\underline{\quad} \times 8 = 72$
- 9)  $8 \times 8 = \underline{\quad}$
- 10)  $8 \times 4 = \underline{\quad}$
- 11)  $2 \times 8 = \underline{\quad}$
- 12)  $8 \times \underline{\quad} = 56$
- 13)  $\underline{\quad} \times 8 = 16$
- 14)  $8 \times 9 = \underline{\quad}$
- 15)  $\underline{\quad} \times 8 = 40$

- 16)  $8 \times \underline{\quad} = 64$
- 17)  $\underline{\quad} \times 8 = 80$
- 18)  $\underline{\quad} \times 8 = 48$
- 19)  $4 \times 8 = \underline{\quad}$
- 20)  $7 \times 8 = \underline{\quad}$
- 21)  $8 \times \underline{\quad} = 72$
- 22)  $\underline{\quad} \times 8 = 0$
- 23)  $\underline{\quad} \times 8 = 64$
- 24)  $8 \times \underline{\quad} = 24$
- 25)  $8 \times \underline{\quad} = 56$
- 26)  $8 \times 4 = \underline{\quad}$
- 27)  $9 \times 8 = \underline{\quad}$
- 28)  $6 \times 8 = \underline{\quad}$
- 29)  $8 \times \underline{\quad} = 40$
- 30)  $8 \times \underline{\quad} = 64$

There are 8 trees lining a street in each tree there are 6 birds how many birds there are in all ?

## Multiplying by 9

$9 \times 0 = \underline{\quad}$

$9 \times 1 = \underline{\quad}$

$9 \times 2 = \underline{\quad}$

$9 \times 3 = \underline{\quad}$

$9 \times 4 = \underline{\quad}$

$9 \times 5 = \underline{\quad}$

$9 \times 6 = \underline{\quad}$

$9 \times 7 = \underline{\quad}$

$9 \times 8 = \underline{\quad}$

$9 \times 9 = \underline{\quad}$

$9 \times 10 = \underline{\quad}$



Find the result :

1)  $9 \times \underline{\quad} = 27$

2)  $4 \times 9 = \underline{\quad}$

3)  $\underline{\quad} \times 9 = 90$

4)  $\underline{\quad} \times 9 = 18$

5)  $9 \times \underline{\quad} = 45$

6)  $1 \times 9 = \underline{\quad}$

7)  $9 \times 6 = \underline{\quad}$

8)  $\underline{\quad} \times 9 = 63$

9)  $9 \times 9 = \underline{\quad}$

10)  $0 \times 9 = \underline{\quad}$

11)  $5 \times 9 = \underline{\quad}$

12)  $9 \times \underline{\quad} = 36$

13)  $\underline{\quad} \times 9 = 72$

14)  $9 \times \underline{\quad} = 81$

15)  $\underline{\quad} \times 9 = 27$

16)  $9 \times 7 = \underline{\quad}$

17)  $\underline{\quad} \times 9 = 81$

18)  $9 \times 4 = \underline{\quad}$

19)  $\underline{\quad} \times 9 = 0$

20)  $9 \times 6 = \underline{\quad}$

21)  $9 \times 10 = \underline{\quad}$

22)  $\underline{\quad} \times 9 = 9$

23)  $9 \times \underline{\quad} = 72$

24)  $\underline{\quad} \times 9 = 45$

25)  $9 \times \underline{\quad} = 63$

26)  $\underline{\quad} \times 9 = 36$

27)  $9 \times 9 = \underline{\quad}$

28)  $8 \times 9 = \underline{\quad}$

29)  $\underline{\quad} \times 9 = 90$

30)  $9 \times \underline{\quad} = 81$

### Multiplying by 0 and 1

Any number by 1 = the same number

Any number by 0 = 0

Complete :

a)  $1 \times 4 = \dots\dots\dots$

b)  $0 \times 8 = \dots\dots\dots$

c)  $9 \times 1 = \dots\dots\dots$

d)  $7 \times 0 = \dots\dots\dots$

e)  $8 \times 1 = \dots\dots\dots$

f)  $5 \times 1 = \dots\dots\dots$

g)  $6 \times 0 = \dots\dots\dots$

h)  $0 \times 0 = \dots\dots\dots$

i)  $1 \times 0 = \dots\dots\dots$

j)  $3 \times 1 = \dots\dots\dots$

---

### Multiplying by 10

$10 \times 0 = \underline{\hspace{2cm}}$

$10 \times 1 = \underline{\hspace{2cm}}$

$10 \times 2 = \underline{\hspace{2cm}}$

$10 \times 3 = \underline{\hspace{2cm}}$

$10 \times 4 = \underline{\hspace{2cm}}$

$10 \times 5 = \underline{\hspace{2cm}}$

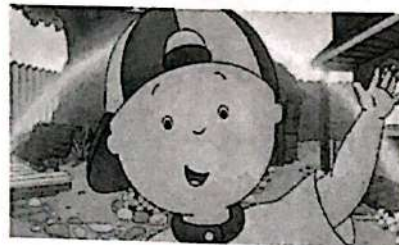
$10 \times 6 = \underline{\hspace{2cm}}$

$10 \times 7 = \underline{\hspace{2cm}}$

$10 \times 8 = \underline{\hspace{2cm}}$

$10 \times 9 = \underline{\hspace{2cm}}$

$10 \times 10 = \underline{\hspace{2cm}}$





**Complete :**

a)  $10 \times 4 = \dots\dots\dots$

b)  $10 \times 8 = \dots\dots\dots$

c)  $9 \times 10 = \dots\dots\dots$

d)  $7 \times 10 = \dots\dots\dots$

e)  $\dots \times 10 = 80$

f)  $\dots \times 10 = 50$

g)  $6 \times \dots = 60$

h)  $10 \times \dots = 40$

i)  $1 \times 10 = \dots\dots\dots$

j)  $3 \times 10 = \dots\dots\dots$

k)  $\dots \times 10 = 70$

l)  $2 \times 10 = \dots\dots\dots$

j)  $2 \times \dots = 20$

k)  $10 \times 2 = \dots\dots\dots$

l)  $10 \times 6 = \dots\dots\dots$

m)  $\dots \times 7 = 70$

n)  $10 \times 9 = \dots\dots\dots$

o)  $10 \times 5 = \dots\dots\dots$

p)  $6 \times \dots = 60$

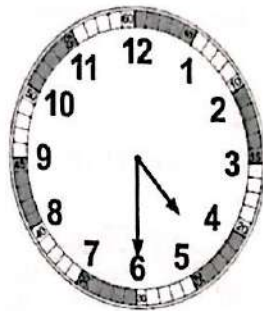
q)  $10 \times 3 = \dots\dots\dots$

Lesson:

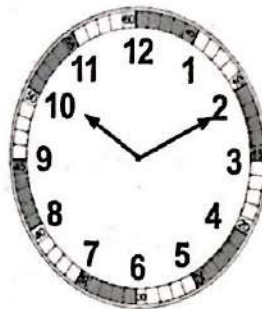
Date ..... \ ..... \ .....

## Measuring time

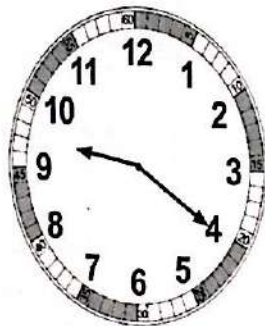
Look at each of the clocks below . Determine time on the clock and write the digital time below . remember that each hour number represents a group of 5 minutes .



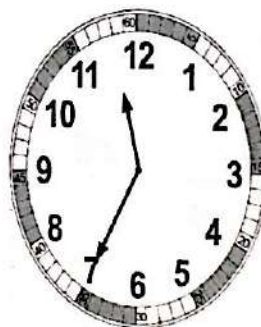
\_\_\_ : \_\_\_



\_\_\_ : \_\_\_



\_\_\_ : \_\_\_



\_\_\_ : \_\_\_



Draw the minute hand on the analog clock.

Round One:



1 : 30

Round Two:



2 : 30

Round Three:



7 : 15

Round Four:



4 : 35

Round Five:



10 : 45

Draw the minute hand to show the time.

1.



2.



3.



4.



5.



6.



Look at the clock hands. Write the time.

1.



2.



3.



4.



5.



6.

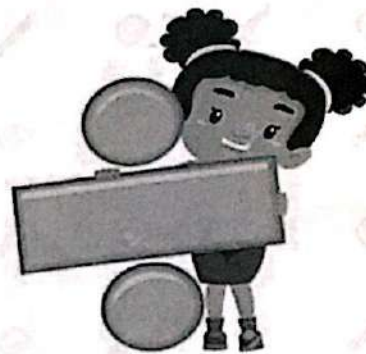




Lesson :



is an operation with two numbers . : Division  
one numbers tells you how many things you  
have . the other tells you how many equal  
. groups to form

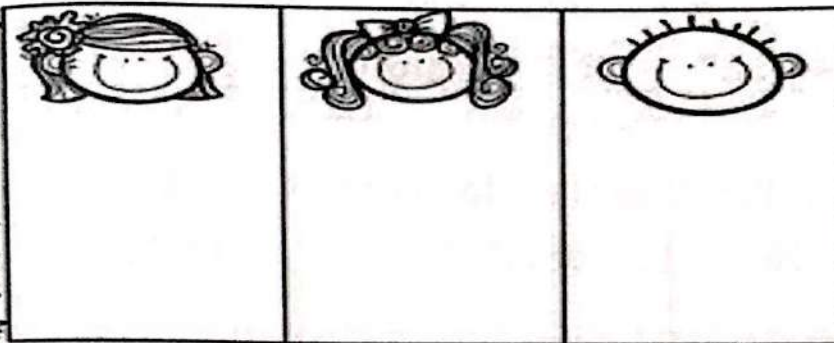


**To** divide means to separate a number into equals  
groups to find the number of groups or the number in  
each group .

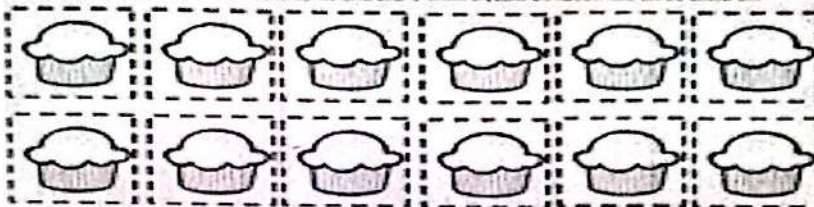
$$10 \div 5 = 2$$



## Sharing Between Three



Color and cut out the cupcakes and share them equally between the three children.



Complete :

$$32 \div 8 = \dots\dots$$

$$27 \div 3 = \dots\dots$$

$$18 \div 6 = \dots\dots$$

$$10 \div 2 = \dots\dots$$

$$48 \div 6 = \dots\dots$$

$$40 \div 5 = \dots\dots$$



Date ..... / ..... / .....

Lesson :

# Relate multiplication to division

1) Write the related facts for the set of numbers :

a) 2, 5, 10

.....

.....

.....

D) 3, 7, 21

.....

.....

.....

b) 3, 2, 6

.....

.....

.....

e) 3, 8, 24

.....

.....

.....

c) 4, 5, 20

.....

.....

.....

f) 6, 6, 36

.....

.....

.....

2) Complete the related fact :

$$4 \times 7 = \dots\dots\dots$$

$$7 \times \dots = 28$$

$$28 \div \dots = 4$$

$$28 \div 4 = \dots\dots\dots$$

$$5 \times \dots = 30$$

$$6 \times \dots = 30$$

$$30 \div 6 = \dots$$

$$30 \div 5 = \dots$$

$$\dots \times 9 = 27$$

$$\dots \times 3 = 27$$

$$\dots \div 9 = 3$$

$$27 \div \dots = 9$$

3) Complete the equation :

a)  $4 \times \dots = 28$

$28 \div 4 = \dots$

b)  $4 \times \dots = 36$

$36 \div 4 = \dots$

c)  $6 \times \dots = 36$

$36 \div 6 = \dots$

d)  $8 \times \dots = 40$

$40 \div 8 = \dots$

e)  $\dots \times 5 = 15$

$\dots \div 3 = 5$

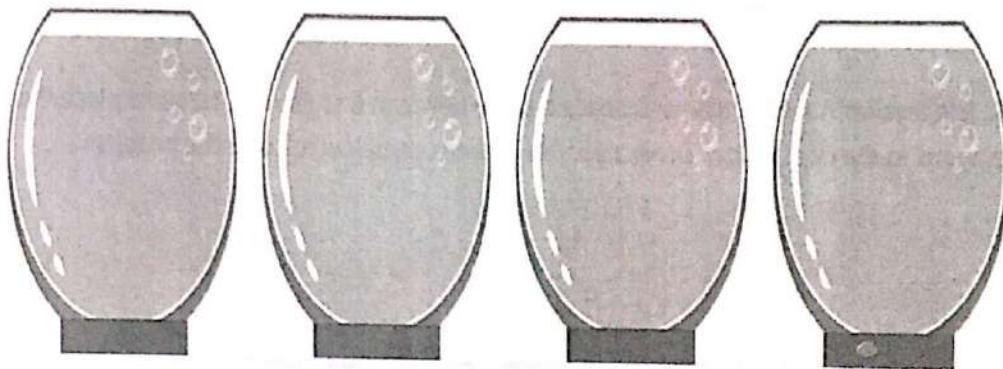
f)  $4 \times \dots = 24$

$24 \div \dots = 6$

g)  $5 \times \dots = 20$

$20 \div 5 = \dots$

1. There are 16 fish that need to be placed in 4 bowls. Each bowl must hold the same number of fish. How many fish should be put into each bowl? Draw a picture in the bowls below to solve the problem.

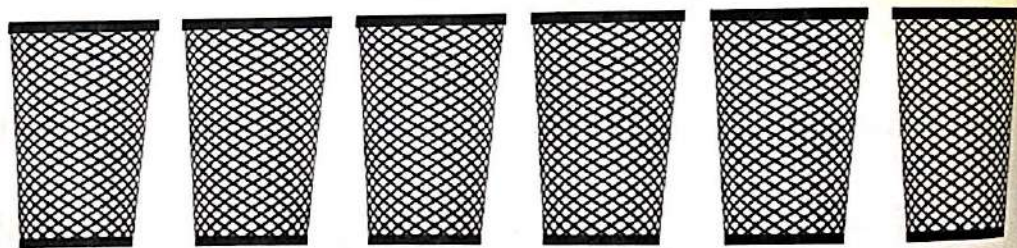




2. Sameh is preparing gift baskets. He has 20 oranges that need to be divided equally between 5 baskets. Draw a picture in the baskets below to solve the problem.



3. The teacher has 36 crayons to share equally between 6 students. She must place the crayons in the cups below. Draw a picture in the cups below to solve the problem.

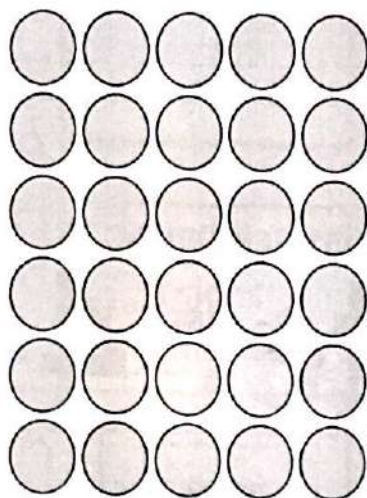


**CHALLENGE:** Describe each of these arrays using one multiplication equation and one division equation.



$$\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$

$$\underline{\hspace{1cm}} \div \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$



$$\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$

$$\underline{\hspace{1cm}} \div \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$





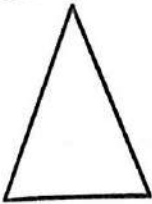
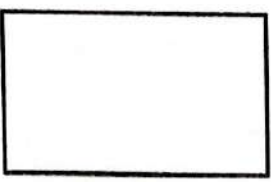
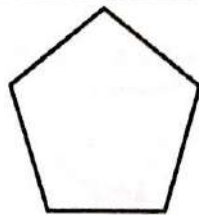
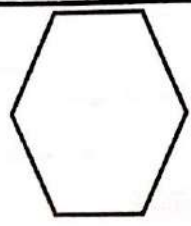
# Chapter 4

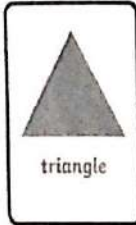




lesson :

# Polygons

A polygon : is a closed plane figure of 3 or more line segments

Polygon can have a different number of side and angles .

 <p><b>Triangle</b> 3 sides 3 angles</p>	 <p><b>quadrilateral</b> 4 sides 4 angles</p>	 <p><b>pentagon</b> 5 sides 5 angles</p>	 <p><b>Hexagon</b> 6 sides 6 angles</p>
---	--	---	--

 <p>triangle</p> <p>3 sides 3 vertices</p>	 <p>square</p> <p>4 sides 4 vertices</p>	 <p>rectangle</p> <p>4 sides 4 vertices</p>	 <p>trapezium</p> <p>4 sides 4 vertices</p>
 <p>rhombus</p> <p>4 sides 4 vertices</p>			



Quadrilaterals are named by their sides and their angles.

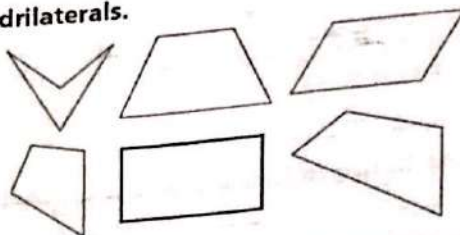


Describe quadrilaterals.

quadrilateral

\_\_\_\_\_ sides

\_\_\_\_\_ angles

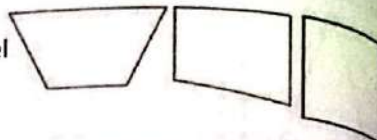


### ERROR Alert

Some quadrilaterals cannot be classified as a trapezium, rectangle, square, or rhombus.

### trapezium

at least \_\_\_\_\_ pair of opposite sides that are parallel  
lengths of sides could be the same

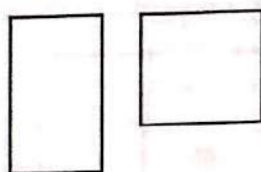


### rectangle

\_\_\_\_\_ pairs of opposite sides that are parallel

\_\_\_\_\_ pairs of sides that are of equal length

\_\_\_\_\_ right angles

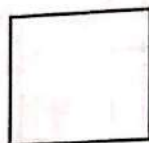


### square

\_\_\_\_\_ pairs of opposite sides that are parallel

\_\_\_\_\_ sides that are of equal length

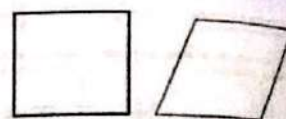
\_\_\_\_\_ right angles



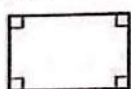
### rhombus

\_\_\_\_\_ pairs of opposite sides that are parallel

\_\_\_\_\_ sides that are of equal length



Circle all the words that describe the quadrilateral.

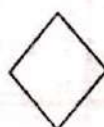


rectangle

rhombus

square

trapezium



rhombus

quadrilateral

square

rectangle

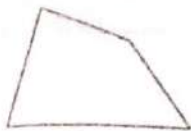


rectangle

rhombus

trapezium

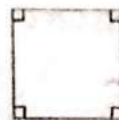
quadrilateral



rectangle  
trapezium  
quadrilateral  
rhombus

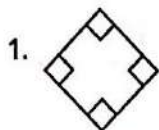


rectangle  
rhombus  
trapezium  
square

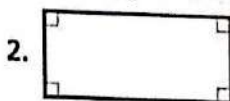


quadrilateral  
square  
rectangle  
rhombus

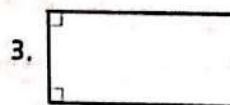
Circle all the words that describe the quadrilateral.



square  
rectangle  
rhombus  
trapezium

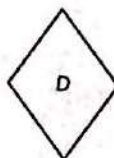
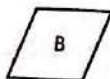
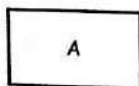


square  
rectangle  
rhombus  
trapezium



square  
rectangle  
rhombus  
trapezium

Use the quadrilaterals below for 4-6.



4. Which quadrilaterals appear to have no right angles?

\_\_\_\_\_

5. Which quadrilaterals appear to have 4 right angles?

\_\_\_\_\_

6. Which quadrilaterals appear to have 4 sides of equal length?

\_\_\_\_\_



lesson :

# The area

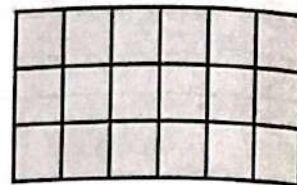
Cristina has a garden that is shaped like the rectangle below. Each unit square represents 1 square meter. What is the area of her garden?

**One Way** Count unit squares.

Count the number of unit squares in all.

There are \_\_\_\_\_ unit squares.

So, the area is \_\_\_\_\_ square meters.



**Other Ways**

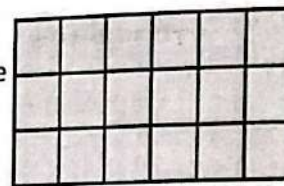
**A** Use repeated addition.

Count the number of rows. Count the number of unit squares in each row.

\_\_\_\_\_ rows of \_\_\_\_\_ = \_\_\_\_\_

Write an addition equation.

So, the area is \_\_\_\_\_ square meters.



\_\_\_\_\_ unit squares

\_\_\_\_\_ unit squares

\_\_\_\_\_ unit squares

\_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_

**B** Use multiplication.

Count the number of rows. Count the number of unit squares in each row.

\_\_\_\_\_ rows of \_\_\_\_\_ = \_\_\_\_\_

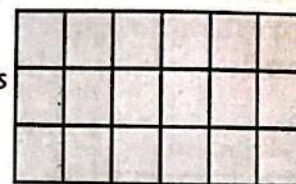
This rectangle is like an array. How do you find the total number of squares in an array?

\_\_\_\_\_

Write a multiplication equation.

So, the area is \_\_\_\_\_ square meters.

\_\_\_\_\_ unit squares in each row

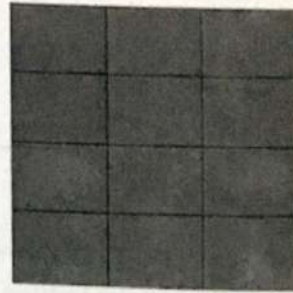


\_\_\_\_\_ rows

\_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

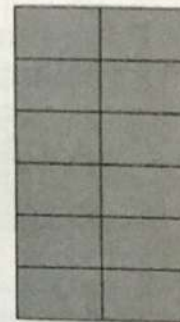
1) Determine the area :

a)

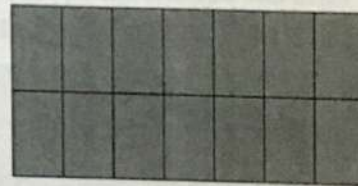


Total area = ..... square units

b) Total area = ..... square units



c)



Total area = ..... square units



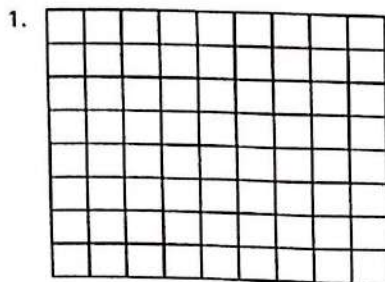
lesson:

Date ..... / ..... / .....

## Distribution property

Ex:  $6 \times 5 = (6 \times 2) + (6 \times 3) = 12 + 18 = 30$

Directions: Break apart the arrays and, using the distributive property, write an equation to show your work.

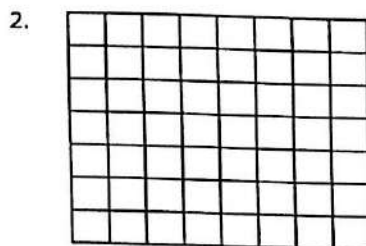


$$\underline{\quad} \times \underline{\quad} = \square$$

$$\underline{\quad} \times \underline{\quad} = \square$$

$$\square + \square = \bigcirc$$

$$8 \times 9 = \underline{\quad}$$

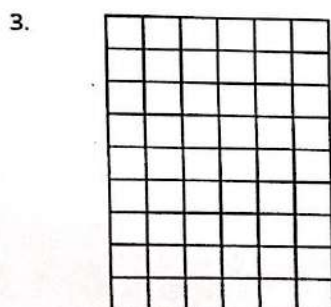


$$\underline{\quad} \times \underline{\quad} = \square$$

$$\underline{\quad} \times \underline{\quad} = \square$$

$$\square + \square = \bigcirc$$

$$7 \times 8 = \underline{\quad}$$



$$\underline{\quad} \times \underline{\quad} = \square$$

$$\underline{\quad} \times \underline{\quad} = \square$$

$$\square + \square = \bigcirc$$

$$9 \times 6 = \underline{\quad}$$



# Chapter 5

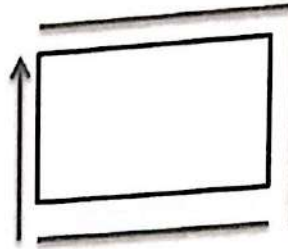


lesson :

Date ..... \ ..... \ .....

## Perimeter

**Perimeter** : is the distance around the outside of an object .



1 ) calculate the perimeter :

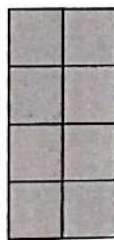
a)

The



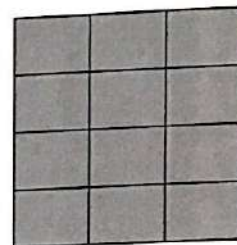
perimeter = .....

b)



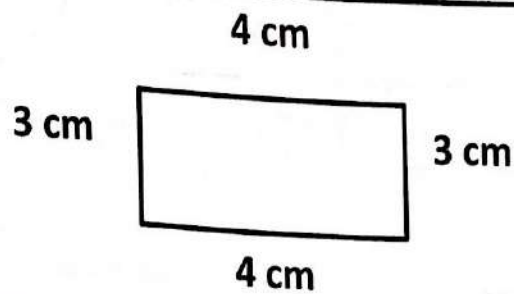
The perimeter = .....

c)



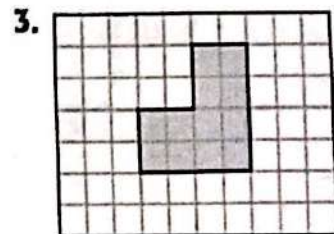
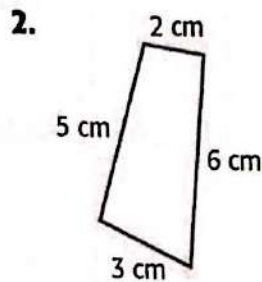
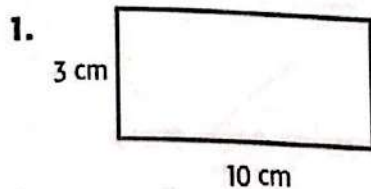
The perimeter = ...

The perimeter of a polygon is the **sum** of the side lengths



The perimeter =  $3\text{ cm} + 4\text{ cm} + 3\text{ cm} + 4\text{ cm} = 14\text{ cm}$

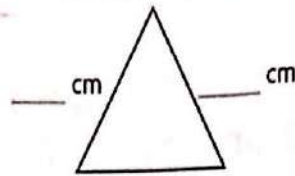
1) Find the perimeter of each figure:



- (1) .....
- (2) .....
- (3) .....



2) Using your ruler, find the perimeter of each figure :

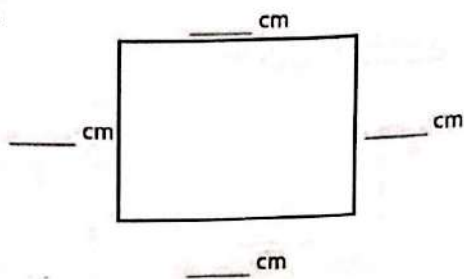


Think: How long is each side?

\_\_\_\_\_ cm

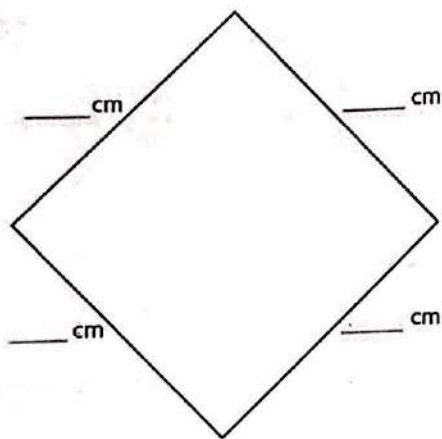
\_\_\_\_\_ centimeters

2.



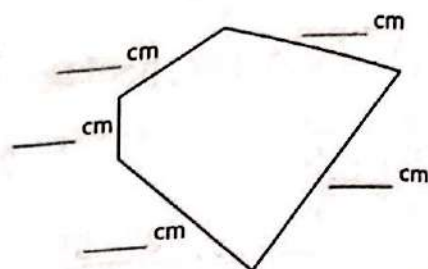
\_\_\_\_\_ centimeters

4.



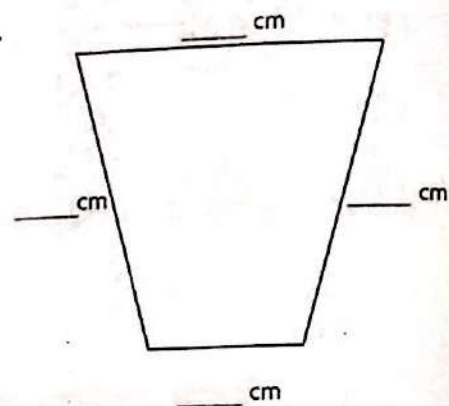
\_\_\_\_\_ centimeters

3.



\_\_\_\_\_ centimeters

5.



\_\_\_\_\_ centimeters

lesson :

Date ..... \ ..... \ .....

## Multiplication strategies

MODEL



THINK

$$5 \times 30 = 5 \times \text{..... tens}$$

$$= \text{..... tens} = \text{.....}$$

So,  $5 \times 30 = \text{.....}$ .

1) Use the place value to find the product:

a)  $5 \times 70 = 5 \times \text{..... tens} = \text{..... tens} = \text{.....}$

b)  $4 \times 60 = 4 \times \text{..... tens} = \text{..... tens} = \text{.....}$

c)  $2 \times 80 = 2 \times \text{..... tens} = \text{..... tens} = \text{.....}$

d)  $5 \times 60 = 5 \times \text{..... tens} = \text{..... tens} = \text{.....}$

e)  $3 \times 40 = 3 \times \text{..... tens} = \text{..... tens} = \text{.....}$

f)  $3 \times 70 = 3 \times \text{..... tens} = \text{..... tens} = \text{.....}$

g)  $8 \times 40 = 8 \times \text{..... tens} = \text{..... tens} = \text{.....}$



h)  $6 \times 90 = 6 \times \dots\dots\dots \text{tens} = \dots\dots\dots \text{tens} = \dots\dots\dots$

i)  $7 \times 40 = 7 \times \dots\dots\dots \text{tens} = \dots\dots\dots \text{tens} = \dots\dots\dots$

j)  $3 \times 50 = 3 \times \dots\dots\dots \text{tens} = \dots\dots\dots \text{tens} = \dots\dots\dots$

k)  $4 \times 40 = 4 \times \dots\dots\dots \text{tens} = \dots\dots\dots \text{tens} = \dots\dots\dots$

l)  $2 \times 300 = 2 \times \dots\dots\dots \text{hundreds} = \dots\dots\dots \text{hundreds} =$

.....



# 6Chapter



Date ..... \ ..... \ .....

Lesson:

## Multiples of 10

Directions: Solve the problems below. Split the multiples of 10 into 10 and the other factor. For example, 40 has the factors 10 and 4.

Example:

$$8 \times 40$$

$$(8 \times 4) \times 10 = 320$$

$$3 \times 90$$

$$(\quad \times \quad) \times 10 =$$

$$4 \times 80$$

$$(\quad \times \quad) \times 10 =$$

$$9 \times 20$$

$$(\quad \times \quad) \times 10 =$$

$$6 \times 30$$

$$(\quad \times \quad) \times 10 =$$

$$8 \times 50$$

$$(\quad \times \quad) \times 10 =$$

$$7 \times 30$$

$$(\quad \times \quad) \times 10 =$$

$$6 \times 70$$

$$(\quad \times \quad) \times 10 =$$

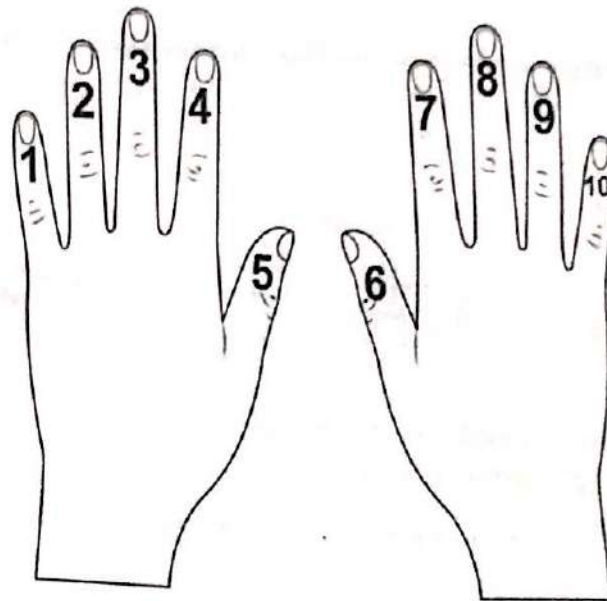
$$5 \times 40$$

$$(\quad \times \quad) \times 10 =$$

Lesson:

Date ..... \ ..... \ .....

Multiply by 9  
strategy



1) Complete :

$9 \times 2 =$

$9 \times 8 =$

$9 \times 3 =$

$9 \times 6 =$

$9 \times 5 =$

$9 \times 4 =$

$9 \times 9 =$



Lesson:

# Liters and Milliliters

We use the graduated cylinder to measure the liquids:

Choose the better estimate for the capacity of each.

1.



3 L or 30 mL

2.



1 L or 5 L

3.



14 L or 14 mL

Choose the unit you would use to measure the capacity of each. Write *mL* or *L*.

4. bathtub

5. a spoon

6. a container of milk

Choose the better estimate for the capacity of each.

7.



100 L or 100 mL

8.



20 L or 2 L

9.



200 mL or 200 L



Choose the unit you would use to measure the capacity of each. Write *mL* or *L*.

10. a pail

11. a soup can

12. a drinking glass

13. a pond

14. a small vase

15. a watering can